(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau

[WIPO]

[Bar Code]

(43) International Publication Date

July 28, 2005 (07/28/2005)

PCT

(10) International Publication Number

WO 2005/069691 A1

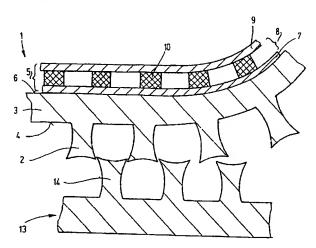
(51) International Patent Classification⁷: H05B 3/34, A44B 18/00

- (21) International Application No.: PCT/EP2004/014766
- (22) International Filing Date:
 December 28, 2004 (12/28/2004)
- (25) Language in which the international application was originally filed: German
- (26) Language in which the international application is published: German
- (30) Priority Data: 10 2004 003 127.4 January 15, 2004 (01/15/2004) DE
- (71) Applicant (for all designated states except the U.S.): GOTTLIEB BINDER GMBH & CO. KG [DE/DE]; Bahnhofstr. 19, 71088 Holzgerlingen (DE).

- (72) Inventor; and
- (75) Inventor/Applicant (U.S. only): TUMA, Jan [DE/DE]; Weingartenstrasse 18, 71083 Herrenberg (DE).
- (74) Representative: BARTELS AND PARTNER, PATENT ATTORNEYS; Lange Strasse 51, 70174 Stuttgart (DE).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

[continued on next page]

(54) Title: CLOSING MECHANISM COMPRISING A HEATING MEANS, AND METHOD FOR PRODUCING ONE SUCH CLOSING MECHANISM



(57) Abstract: The invention relates to a closing mechanism (1; 101; 201; 301) comprising a plurality of closing elements (2; 102; 202; 302, 302a) such as hooks, mushroom heads or loops. Said closing mechanism (1; 101; 201; 301) comprises a flat carrier (3; 103; 203; 303) and the closing elements (2; 102; 202; 302, 302a) protrude from at least one surface (4) of the carrier (3;103; 203; 303). The inventive closing mechanism (1; 101; 201; 301) is characterised in that it comprises a heating means (5; 105; 205; 305), at least in certain sections, which converts supplied energy into heat. The invention also relates to an associated production method.

[Fortsetzung auf der nächsten Seite]

- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TY, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European Patent (AT, BE, GB, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Prior to expiration of the time allowed for amendments of claims. Publication will be repeated if amendments are received.

Published:

With International Search Report.

Reference is made for an explanation of the two-letter codes and the other abbreviations to the Guidance Notes on Codes and Abbreviations in the front section of each regular PCT Gazette edition.